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Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	09/843,998
				Filing Date	04/27/2001
				First Named Inventor	Joseph A. Zierolf
				Group Art Unit	2821 2876
				Examiner Name	Edwym Gaze
Sheet	1	of	1	Attorney Docket Number	200017 USA



INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 1

FOREIGN PATENT DOCUMENTS

Examiner Signature	Edwyn Cabarc	Date Considered	7/8/02	MAIL	0	RECEIVED
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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

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Sheet 1 of 3

Complete if Known

Application Number	09/843,998
Filing Date	April 27, 2001
First Named Inventor	Joseph A. Zierolt
Group Art Unit	2821 7876
Examiner Name	Edwyn Labere

Attorney Docket Number 200017 USA

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Column, Line, Where Relevant Paragraphs or Relevant Figures Appear
		Number	Kind Code ² (if known)			
-	A 4,023,167			Wahlstrom	05/10/77	
EL	B 4,572,293			Wilson et al.	02/25/86	
EL	C 4,630,044			Polzer	12/16/86	
EL	D 4,656,463			Anders	04/07/87	
EL	E 4,698,631			Kelly et al.	10/06/87	
EL	F 4,808,925			Baird	02/28/89	
EL	G 4,827,395			Anders et al.	05/02/89	
EL	H 5,105,742			Sumner	04/21/92	
EL	I 5,142,128			Perkin et al.	08/25/92	
EL	J 5,202,680			Savage	04/13/93	
EL	K 5,279,366			Scholes	01/18/94	
EL	L 5,361,838			Kilgore	11/08/94	
EL	M 5,457,447			Ghaem et al.	10/10/95	
EL	N 5,479,860			Ellis	01/02/96	
EL	O 5,495,237			Yuasa et al.	02/27/96	
EL	P 5,497,140			Tuttle	03/05/96	
EL	Q 5,505,134			Brooks et al.	04/09/96	
EL	R 5,608,199			Clouse et al.	03/04/97	
EL	S 5,626,192			Connell et al.	05/06/97	
EL	T 5,654,693			Cocita	08/05/97	

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Column, Line, Where Relevant Paragraphs or Relevant Figures Appear	T ³
		Office ⁴	Number ⁴				
EL	U WO 01/73423 A1			Thomeer et al.	10/04/01		
-	V EP 0 013 494 A1			Hayward	07/23/80		
EL	W EP 0 412 535 B1			Smith	02/13/91		
EL	X EP 0 651 132 A2			Kilgore	05/03/95		
EL	Y EP 0 730 083 A2			Gazda et al.	09/04/96		

Examiner Signature

Edwyn Labere

Date Considered

8/15/02

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Substitute for Form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	09/843,998
(use as many sheets as necessary)				Filing Date	April 27, 2001
				First Named Inventor	Joseph A. Zierolf
				Group Art Unit	2821 2876
				Examiner Name	Edwyn J. Argote
Sheet	2	of	3	Attorney Docket Number	200017 USA

U.S. PATENT DOCUMENTS

Examiner's Initials'	Case No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code* (if known)			
EL	7	5,680,459		Hook et al.	10/21/97	
EL	AA	5,682,143		Brady et al.	10/28/97	
EL	BB	5,720,345		Price et al.	02/24/98	
EL	CC	5,911,277		Hromas et al.	06/15/99	
GL	DD	5,995,449		Green et al.	11/30/99	
EL	FF	6,018,501		Smith et al.	01/25/00	
EL	FF	6,025,780		Bowers et al.	02/15/00	
EL	GG	6,078,259		Brady et al.	06/20/00	

FOREIGN PATENT DOCUMENTS

Examiner Signature: Efrem Gabre Date Considered: 8/15/02

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Substitute for Form 1449B/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	09/843,998
				Filing Date	April 27, 2001
				First Named Inventor	Joseph A. Tierolf
				Group Art Unit	2821 2876
				Examiner Name	Eduynn K. Gaskin
(use as many sheets as necessary)				Attorney Docket Number	200017 USA
Sheet	3	of	3		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Signature: Edwyna Feber Date Considered: 4/15/02

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